

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-TS-200-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-200-HE-L930
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

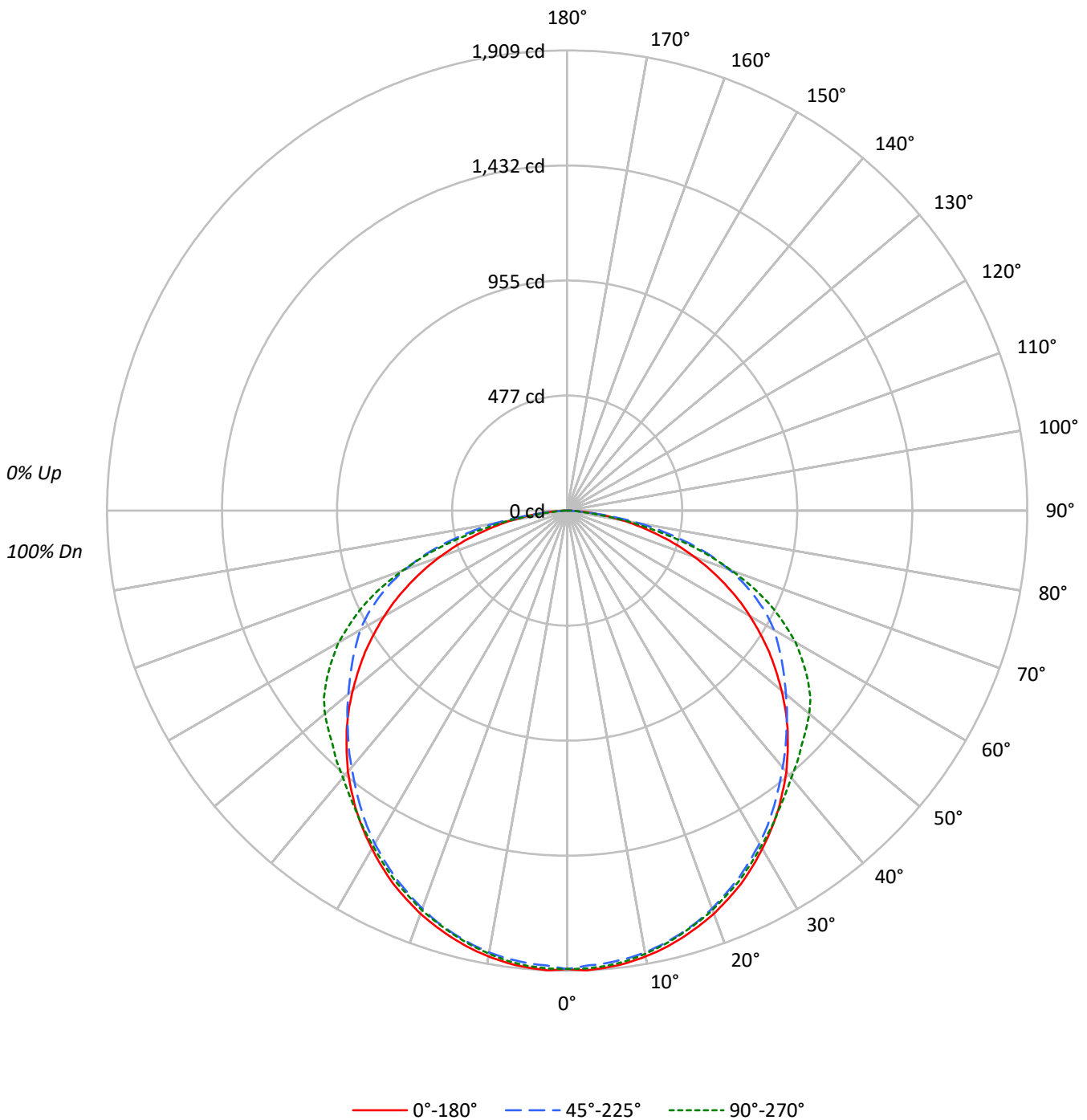
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5855.4 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5118	5118	5118
5°	5140	5091	5121
10°	5132	5088	5102
15°	5115	5064	5073
20°	5097	5032	5050
25°	5071	4995	5026
30°	5033	4957	4998
35°	5004	4917	5011
40°	4969	4886	5081
45°	4923	4896	5235
50°	4861	4960	5493
55°	4799	5102	5713
60°	4715	5334	5891
65°	4599	5513	5938
70°	4423	5633	5707
75°	4075	5450	5098
80°	3609	4689	3911
85°	2597	2374	1553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	3.1
10°-20°	515.4	8.8
20°-30°	780.5	13.3
30°-40°	946.6	16.2
40°-50°	1012.7	17.3
50°-60°	981.5	16.8
60°-70°	822.0	14.0
70°-80°	505.1	8.6
80°-90°	111.6	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1476.0	25.2
0°-40°	2422.6	41.4
0°-60°	4416.8	75.4
0°-90°	5855.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5855.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1903	1899	1884	1897	1896	181
15°	1836	1832	1818	1826	1821	518
25°	1708	1698	1682	1694	1693	787
35°	1523	1504	1497	1522	1525	953
45°	1294	1266	1286	1352	1376	997
55°	1023	995	1087	1195	1218	913
65°	722	718	866	924	932	714
75°	392	458	524	502	490	417
85°	84	113	77	53	50	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1901.9	1901.9	1901.9	1901.9	1901.9
2.5°	1909.1	1904.0	1889.6	1901.9	1900.9
5°	1902.9	1898.8	1884.5	1896.8	1895.7
7.5°	1893.7	1889.6	1875.2	1887.5	1884.5
10°	1878.3	1875.2	1861.9	1871.1	1867.0
12.5°	1859.8	1856.8	1841.4	1851.6	1846.5
15°	1836.2	1832.1	1817.8	1826.0	1820.9
17.5°	1809.6	1804.4	1790.1	1798.3	1793.2
20°	1779.8	1772.6	1757.3	1768.5	1763.4
22.5°	1743.9	1738.8	1720.3	1732.6	1727.5
25°	1708.0	1697.8	1682.4	1693.7	1692.6
27.5°	1664.9	1654.7	1639.3	1652.6	1650.6
30°	1619.8	1608.5	1595.2	1608.5	1608.5
32.5°	1572.6	1558.2	1548.0	1563.4	1568.5
35°	1523.4	1503.9	1496.7	1522.3	1525.4
37.5°	1469.0	1449.5	1443.4	1477.2	1485.4
40°	1414.6	1390.0	1391.0	1434.1	1446.4
42.5°	1354.1	1329.5	1340.8	1391.0	1413.6
45°	1293.6	1265.9	1286.4	1352.1	1375.6
47.5°	1230.0	1203.3	1237.2	1314.1	1343.8
50°	1161.2	1134.6	1184.8	1278.2	1312.0
52.5°	1091.5	1063.8	1134.6	1241.3	1272.0
55°	1022.8	995.1	1087.4	1195.1	1217.7
57.5°	948.9	925.3	1038.1	1134.6	1157.1
60°	876.1	855.5	991.0	1073.0	1094.6
62.5°	801.2	785.8	933.5	1002.2	1014.6
65°	722.2	718.1	865.8	924.3	932.5
67.5°	643.2	653.5	796.0	834.0	835.0
70°	562.2	589.9	716.0	732.4	725.3
72.5°	480.1	528.3	627.8	619.6	613.5
75°	391.9	457.5	524.2	501.6	490.3
77.5°	311.9	385.7	413.4	381.6	364.2
80°	232.9	304.7	302.6	261.6	252.4
82.5°	157.0	212.3	181.6	147.7	129.3
85°	84.1	112.8	76.9	53.3	50.3
87.5°	31.8	26.7	20.5	18.5	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)